

LIST OF SEQUENCES

<110> UNIVERSITE DE LA MEDITERRANEE (Aix-Marseille II)

<120> Single stranded oligonucleotides, probes, primers and method  
for the detection of spirochetes

<160> 8

<170> PatentIn Ver. 2.1

<210> 1

<211> 20

<212> DNA

<213> Artificial sequence

<220>

<223> Description of the artificial sequence : primer n°1

<400> 1

cttgggccng gnggactttc

20

<210> 2

<211> 21

<212> DNA

<213> Artificial sequence

<220>

<223> Description of the artificial sequence : primer n°2

<400> 2

agaaatnaan atngcatcct, c

21

<210> 3

<211> 20

<212> DNA

<213> Artificial sequence

<220>

<223> Description of the artificial sequence : primer n°3

<400> 3

gggtgnattt tntcatcnac

20

<210> 4

<211> 17

<212> DNA

<213> Artificial sequence

<220>

<223> Description of the artificial sequence : primer n°4

<400> 4

gcttcnagng cccanac

17

<210> 5

<211> 3876

<212> DNA

<213> Leptospira biflexa

<400> 5

gctgatatta	agaaaaaact	ncgaaggtn	tgggnctcaa	gtagaagttg	ctggctgccc	60
ggttaatcgg	ttgcccaatt	tttaaacc	gtcttcaaaa	acttagaggc	agggaggccg	120
taggcgtccc	cacctctatt	ttttcgttta	tcataccatc	tattatTTTT	acgtctctag	180
ggagagtatt	ccatgcatac	ccgaatgcaa	attagaaacc	gggtaaatTT	cggtaaaatt	240
accgacctca	atcttacttc	taatcttatc	tacgtacaga	aaaaatcctt	tgattggttc	300
ctccagtcgg	aagtgaaga	tccgacgaaa	cgtttgaacc	aagggttgga	agcggatttc	360
cgcgatcat	tcccaatcga	atcaccaaac	aacgatatgg	tcattggaata	tggccattac	420
gttttgggag	agccgaaacg	cgatccccaa	gagtgc aaag	acactgattc	ttcttttgct	480
gttccactga	aagcagtcac	ccgtctcatc	atcaaagaca	ccggtgaaat	ccgcgaacaa	540
gtcgtctaca	tggttgacct	tcctgtgatg	acagaccacg	gaactttcat	catcaatggg	600
gccgaaaggg	tagtggttaag	ccagttacac	cgatctcctg	gtattttctt	ttcgtatgac	660
caagtacgag	atacatTTTT	tgcccagagt	attccttatc	gtggatcatg	gttagaattc	720
gagatggaca	acaagggaat	cctcgttgcc	aaaatcgacc	gtaagaaaaa	attcccagcg	780
actctccttg	tgaaagccat	gggtatggga	acaaacgaag	aagtacttctg	ccttttctac	840
ggatctagca	aaatgaaaat	cgctgggtgcc	aatccaaaag	acctcaaacg	tctgattggc	900
cgccgaacca	ttgcggatat	tatcaatatg	gaaaccgggtg	aggtaatgct	cgatgctggg	960
tccaaaatta	acgaagacaa	tatctcccat	cttcgtgaaa	tgaaggtaaa	agaagtggtg	1020
gtcatcgaat	ttccaaaagg	aaaagacaa	ccagtcttca	tcaattgcct	agaaaaagac	1080
ggagtgaacg	actacgagga	tgcagtga	aaatttcaca	cgatcatgcg	tccaggggaa	1140
ccttctacga	ttgaaaacgc	ggaagctgag	ttaaaacgcc	tctttttctc	tccaaaacg	1200
tttgatttag	gaattgttgg	tcgttacaaa	atcaatagca	aattcgagtt	caacaatcca	1260
aaagaattct	caaaagcaga	tgatcgggtt	ctccgaaaac	aagacatcat	cgaaacctgt	1320
cgttaccttg	tgatgcttat	gtcagaagcg	gaaaattatt	acctcagatga	cattgaccac	1380
ttaggaaaca	gaaggatccg	ttcgggtggg	gaactcatcg	ctaaccaatt	gaaacttggt	1440
ttttccagag	tggaaacgag	catcaaagaa	aggatgacag	tacaggagcc	ggaacaacaa	1500
actcctcagc	ttcttatctc	catcaaacca	atcacagcag	tgatcaatga	gttttttgga	1560
tcttcgcaac	tctctcagtt	tatggaccaa	accaatccct	tggcagaact	tacgcacaaa	1620
cgtaggttaa	acgctcttgg	gcctgggtgga	ctttctcgtg	atagagcagg	ttttgaggtt	1680
cgtagcgttc	attattctca	ctacggctcg	atgtgcccca	ttgaaacacc	ggaaggtcca	1740
aacattgggtc	tcattctttc	catgtctagt	tttgcacgtg	tgaacgatta	tggattcatt	1800
gaaactccat	accgccttgt	aaagaatgga	aaagtccaaa	aacaagtgga	atacctcact	1860
gcggacaaag	aagaatacca	ttatatggcg	cagtc aaatt	cgactgtgga	tgagaaggga	1920
gaattcactt	ccaaactcat	ttccactcgt	catagagggg	atttcccttt	ccgtagccca	1980
gctgaaatcc	aatacatgga	tcttgctccc	ttgcaagtgg	tctcagtttc	cacagctctc	2040
attccgttct	tagaacatga	tgacgcgaac	cgtgccctca	tgggttccaa	catgcaacgc	2100
caagcggtac	cactcttaac	agaagaggct	ccttttgctg	gaactgggtat	ggaagctcgt	2160
gcggccttatg	acgcaggggt	ttgtatcggt	gcgaaaaaag	atgggtgtggt	ttccaaagtg	2220
gatgcaacag	gtgtttggat	caaagaagac	caatccaaag	agattgtcca	ttacccactc	2280
attaaattca	aaaaaaccaa	ccaaggtaact	tgttttaacc	aaaaaccaa	cgtatccatg	2340
ttacacacca	caactgggtg	caaggtaagt	aagggttcga	aagaacgtgt	cgaagtgcac	2400
actcctaacg	gagaaaaaga	aactcatgaa	cttcttcttt	ctgatgaagt	tcagttccat	2460
gctgttgtca	aagaaggaca	agaggtagga	attggagctc	cagttgccgg	acaaatcatc	2520
aaaggggaaa	aatacgggtg	cttcgggtcag	atccttcaaa	aaggaactgt	cctagccaac	2580
gggccatcca	ctgacgttgg	gtatttgcca	cttgacgaa	atgttctcgt	tgcccttatg	2640
ccttggggaag	gatacaactt	tgaggatgcg	attttaattt	ctgaacgaat	catcaaagac	2700
gatgttttct	cttccatcca	cattgaagaa	ttcgaaatcc	aagctcggga	aacgaaactc	2760
ggacaagaac	aaatcactcg	tgacattcca	aacctttcgg	acaaagcggt	ccgtgatttg	2820
gatgagtctg	gtgtgatccg	tgtgggtgca	gaggtaaaac	ctggagacat	cctagttggg	2880
atggtgactc	caaaagggga	aacagacctc	acacctgaat	acaaactatt	acactccatt	2940
tttgagagaga	aggcaaaaga	agttagggtg	tcctcactcc	gtatgccaaa	cggtttcgaa	3000
ggaactgtca	tcgatatcaa	acgttattcc	cgtgaaacag	gcgatgaact	cgctgctggc	3060
gtggaagaaa	tggtaaaagt	ttacgtggct	cgcaaacgga	aactcctcgt	gggtgataag	3120
atggccggaa	gacacgggaa	caaaggggtc	gtagcacgtg	tgatggcaca	agaagatatg	3180
ccatacatgg	aagacggatc	tccagttgac	atcgtactca	acctactcgg	tgcttctctg	3240
cgtatgaacc	tcggtcagat	ctttgaaact	caacttggat	ttgctgcaaa	aaaactaggg	3300
atcaattttg	aaacccttgt	gtttgacgga	gcttccgaag	gtgatgtaaa	cgatttctgc	3360
aaaaaagcag	gattaccgga	aaacagcaaa	tttcagttat	atgatggaag	gactgggtgaa	3420
aaattcatca	accaagtatt	ctgtggatgc	atttacatgt	tgaaactggc	tcacttggtg	3480
gatgacaaaa	ttcacgcaag	atccactgga	ccttactcac	tcgtaacaca	acaaccactg	3540
ggtggttaagg	cgcagttcgg	gggacaaagg	ttagggggaga	tggaagtttg	ggcactcgaa	3600
gcatacgggtg	cctcacacac	cttacaagaa	ttactgacca	tcaagtcaga	tgacatgctc	3660

ggacgtgcc	gaatttacga	agcaattgtg	aaagggatcc	actcgatcaa	accgggtatc	3720
cctgaatcct	tcaacgttct	tgtacaagaa	ctccgaggtc	tcgcacttga	tatcatcatc	3780
aaagactccg	aaggattgga	agtggatatc	tctgattacg	aagatgagtt	ctcgaaaaac	3840
aaaaagaaaa	ttaaattcga	gaccattgaa	aacgtt			3876

<210> 6

<211> 914

<212> DNA

<213> *Leptospira icterohaemorrhagiae*

<400> 6

ttcactattc	tcactacggt	agaatgtgtc	cgattgaaac	tccggaaggt	ccgaacatcg	60
gtctgattct	ttccatgtct	tcttacgctc	gtgtgaatga	ctacggattc	ttggaaactc	120
cttacagaac	cgtgaagaac	ggtaaagtta	ccggtcagat	cgagcacctt	accgcagaca	180
aagaagaata	tcattacatc	gctcaagctt	ccggcgtgat	cgatgaaaaa	ggcgagctca	240
aaaacaaatt	gatttccacg	cgtcacagag	gggatttccc	tttccgtaac	ccgagcgaga	300
ttcagtatat	ggacttggck	cctctacaag	tcgtttcggg	ttccacggcg	ctgattccgt	360
tccttgaaca	cgacgacgcg	aaccgcgcct	catgggttcc	aacatgcaac	gtcaggcggt	420
tcctcttctc	cgtgaagaag	ctcttttgta	ggaactggta	tggaaaccag	agccgcttac	480
gattccagaa	tttgtatcgt	aaacaaacac	gacgggtgctg	taacttccgt	cgatgcggaa	540
aacatcgttg	tagaaagaaa	gggcggaaaa	gaatccgata	cgtatcaact	tacgaaattc	600
aaaaagacaa	accaaggaac	tgctttaatc	agaagccgat	tgtaggagtg	gttctactccg	660
agatcaatgg	aaaggtttcc	aaggtttcca	aagaaaaaat	cgaagtcact	ggtgaaaacg	720
gtgaactgaa	agaatatggt	cttcaaactc	gaagcaaaca	atattctccg	atcgtctctg	780
caggcgaaga	agtaaaaaga	ggatcgactc	tcgcaggaca	agttgttgta	ggtgagaagt	840
tggatgagat	gggaaatata	ctcgtaaaag	gaaccgttct	tgctgatggg	cctgcggctg	900
acaacggagt	tctc					914

<210> 7

<211> 949

<212> DNA

<213> *Leptospira australis*

<400> 7

gtgacgttca	ctattctcac	tacggtagaa	tgtgtccgat	tgaaactccg	gaaggtccga	60
acatcggtct	gattctttcc	atgtcttctt	acgctcgtgt	gaatgactac	ggattcttgg	120
aaactcctta	cagaaccgtg	aagaacggta	aagttaccgg	tcagatcgag	caccttaccg	180
cagacaaaga	agaatatcat	tacatcgctc	aagcttccgg	cgtgatcgat	gaaaaaggcg	240
agctcaaaaa	caaattgatt	tcacgcgctc	acagagggga	tttccctttc	cgtaacccga	300
cgagagattca	gtatatggac	ttggctcctc	tacaagtcgt	ttcggtttcc	acggcgctga	360
ttccgttctc	tgaacacgac	gacgcgaacc	gcgcctcat	gggttccaac	atgcaacgtc	420
agggcggttcc	tcttcttcgt	gaagaagctc	cttttgcgg	aaccggtatg	gaaaccagag	480
ccgcttacga	ttccagaatt	tgtatcgtaa	acaaacacga	cggtgtcgta	acttccgctg	540
atgcggaaaa	catcgttgta	gaaagaaagg	gcggaaaaaga	atccgatacg	tatcaactta	600
cgaaattcaa	aaagacaaac	caaggaacct	gctttaatca	gaagccgatt	gtaggagtg	660
ttcactccga	gattaacgga	aaggtttcca	aggtctccaa	agaaaaaatc	gaagtcactg	720
gtgaaaacgg	tgaactaaaa	gaatatgttc	ttcaaactcg	aagcaaaaaa	tattctccga	780
tcgtctccgc	aggcgaagaa	gtaaaacgag	gatcgactct	cgcaggacaa	gttggttgtag	840
gtgagaagtt	ggatgagatg	ggaaatatcc	tcgtaaaagg	aaccgttctt	gctgatgggtc	900
ctgcggctcga	caacggagtt	ctcgctctgg	gaagaaacgt	tctcgcggc		949

<210> 8

<211> 800

<212> DNA

<213> *Borrelia recurrentis*

<400> 8

aagggatcga	gcagctttga	agtaagatat	gtacattata	cccattatgg	taggatgtgt	60
cctattgaaa	ctcctgaagg	cccaaataatt	ggacttattg	tttctttggc	tacttattca	120
aaagttaatg	attatggttt	cttagaaact	ccttatagga	aggtgattga	tggtaagggtg	180
accgatgata	ttgaatat	gtctgctatt	gatgaggaaa	aaaaatgtat	tgcgcaagca	240

aatgcttctg	ttagttctga	tggttaattat	actgatgatt	tggtgtctgt	taggatttct	300
ggggattata	ctacaatgat	gcctaaaaat	atcgattaca	tggtatgtttc	gcctagacaa	360
ttaatatctg	tctcttcggc	gttaataactt	ttcttgaaca	taatgatgca	aatcgtgctc	420
ttatgggttc	gaatatgcaa	cgtcaggcag	ttcttattat	ttccacagcc	acctattggt	480
ggtacaggta	tgagaggat	agttgcaaaa	gactctggtg	ttgttattaa	agcaaaaaga	540
cctggtagag	ttgtcttagc	cacaaacaaa	aagatagtta	ttaaacctga	taatgcaact	600
tctgaacgag	athtagatga	atatgaactt	tataaatatg	agaggacaaa	ccaggatact	660
tctttcaatc	attcagtttt	ggtgaagaat	ggccaaattg	ttaataagga	tgagataata	720
gcagatggtc	ctgctactag	atatggagaa	ttggcgcttg	gtaataattt	attagttggt	780
ttattccgtg	gaatggattt					800